Brown Bros. Mfg. Co.

CATALOGUE—"A"
Sidewalk Lights

MAIN OFFICE AND WORKS
22nd and Campbell Avenue

BRANCH OFFICE
N. W. Cor. Jackson Blvd. and
Clinton Street

CHICAGO

FORTY FOURTH YEAR

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Established 1860
Incorporated 1874-1885

Architectural IRON



Brown Bros. Mfg. Company

Main Office and Works

22d St. and Campbell Ave.

CHICAGO, ILL.

Wagner & Hanson Co., Chicago

CHICAGO, January 1st, 1903.

TO THE TRADE:

With a large and well equipped plant and increased facilities, we are now in better position than ever before to furnish

IRON STAIRS
STORE FRONTS
ELEVATOR ENCLOSURES
FENCES and RAILINGS
IRON DOORS and SHUTTERS
FIRE ESCAPES
BEAMS and CHANNELS
CAST IRON COLUMNS

Estimates promptly furnished. We respectfully solicit your patronage.

Very truly yours,

BROWN BROS. MFG. CO.

WRITE FOR DISCOUNT

ESTABLISHED IN 1860

GEO. A. MORRIS
PRESIDENT

EDWIN F. BROWN
VICE-PRES.

EUGENE J. SULLIVAN
SEC'Y & TREAS.

BROWN BROS. MFG. CO.

CATALOGUE—"A"

SIDEWALK LIGHTS
FLOOR AND SKY LIGHTS
VAULT LIGHTS
COAL HOLE COVERS AND DOORS
HOUSE MOVERS' JACK SCREWS
SEWER BUILDERS' SUPPLIES
GENERAL FOUNDRY WORK

OFFICE: N. W. COR. JACKSON BOUL. AND CLINTON ST.
WORKS: 22nd ST. AND CAMPBELL AVE.

CHICAGO

TELEPHONE CANAL 115

MARCH 1, 1903

WE MAKE

Iron Stairs, Store Fronts
Fences and Railings
Iron Doors and Shutters
Columns and Lintels

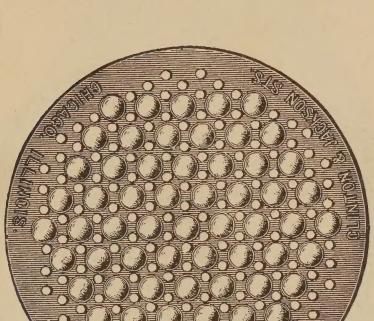


WE CARRY IN STOCK

"I" Beams, Channels
and Angles

WRITE US FOR
ESTIMATES

ROUND VAULT LIGHTS



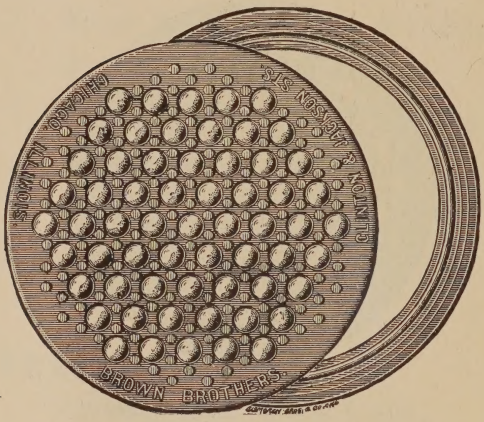
CUT OF 24-INCH VAULT LIGHT.

PRICE LIST.

16-inch, 21 glasses	$3 50
18-inch, 37 glasses	5 00
20-inch, 37 glasses	6 00
24-inch, 61 glasses	8 00

Rings for above Covers, page 10.
Thimbles for above Covers, page 11.

WATER-TIGHT VAULT LIGHT AND THIMBLE.



Cut of 24 inch, 61 Glasses.

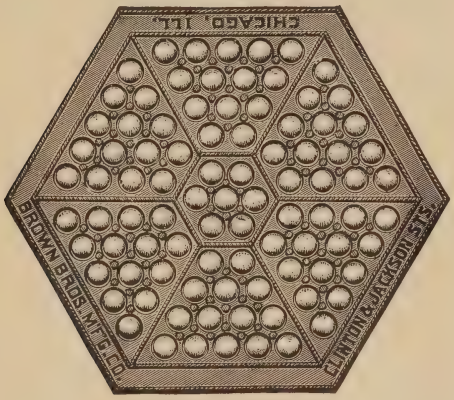
The above Vault Light is very desirable where light is wanted and where water leaking through would be an objection.

PRICE LIST.

21 inches—19 inch opening, 37 glasses, ...	$ 7 50
24 inches—21½ inch opening, 61 glasses, ...	10 00

Above prices include frames.

HEXAGON VAULT LIGHTS.



Cut of 25⅛ inch, 91 glasses.

PRICE LIST.

17¾-inch,	37	glasses	$5 00
21⅛ "	61	"	8 00
25⅛ "	91	"	11 00
28⅞ "	128	"	15 00
32 "	169	"	20 00
35¾ "	217	"	25 00

Above sizes kept in stock.

Thimble or Rings made to order

CONCRETE VAULT LIGHTS.



Cut of 18 inch Vault **Light.**

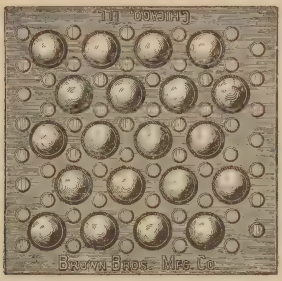
PRICE LIST.

16-inch	$4 50
18-inch	6 00
20-inch	7 50
24-inch	9 00

Rings for above Covers, page 10.

Thimbles for above Covers, page 11.

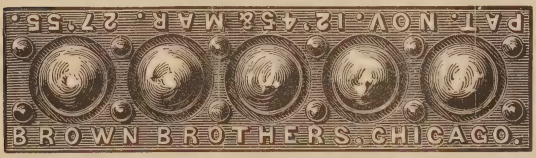
SQUARE VAULT LIGHTS.



12 inches square (20 glasses), ... $2 50

Any other sizes made to order.

DECK LIGHTS FOR VESSELS.



THE BEST KIND EVER MADE.

Each Glass set in Pure Bullet Lead.

No.	Inches.	
1, Plain,	3 x11⅛ (see engraving)	5 Glasses each, $2 00
2, Flanged,	4½x12⅝	
3, Plain,	6¾x11⅜	14 " " 5 00
4, Flanged,	8¼x12⅞	

NOTE.—The "*Plain*" Lights are intended to be *caulked* in, and the "*Flanged*" ones to be *screwed down*.

Any other sizes and shapes made to order.

LIGHT "STAR" COAL HOLE COVERS



CUT OF 20-INCH LIGHT "STAR."

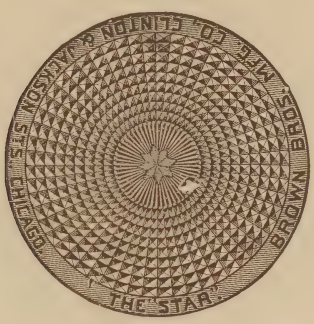
PRICE LIST.

15¾-inch, 8 glasses	$2 50
18⅛-inch, 10 glasses	3 00
20⅛-inch, 12 glasses	3 50
24⅛.inch, 12 glasses	5 00

ABOVE SIZES KEPT IN STOCK.

Rings for above Covers, page 10.
Thimbles for above Covers, page 11.
Fastening Bar for above Covers, page 12.

SOLID "STAR" COAL HOLE COVERS



CUT OF 20-INCH SOLID "STAR."

PRICE LIST.

15¾-inch	$1 50
18⅞-inch	2 00
20⅞-inch	2 50
24-inch	4 00

ABOVE SIZES KEPT IN STOCK.

Rings for above Covers, page 10.
Thimbles for above Covers, page 11.
Fastening Bar for above Covers, page 12.

RINGS FOR COAL HOLE COVERS.



CUT OF 20 INCH "STAR RING."

PRICE LIST.

Ring for 16-inch Coal Hole Cover	$1 00
Ring for 18-inch Coal Hole Cover	1 25
Ring for 20-inch Coal Hole Cover	1 50
Ring for 24-inch Coal Hole Cover	2 50

Ring for 16-inch Round Vault Light	$1 50
Ring for 18-inch Round Vault Light	2 00
Ring for 20-inch Round Vault Light	2 50
Ring for 23-inch Round Vault Light	3 00

THIMBLES FOR COAL HOLE COVERS AND VAULT LIGHTS.



PRICE LIST.

For 16 inch Coal Hole Cover	$1 50
For 18 " " " "	2 00
For 20 " " " "	2 50
For 24 " " " "	4 00

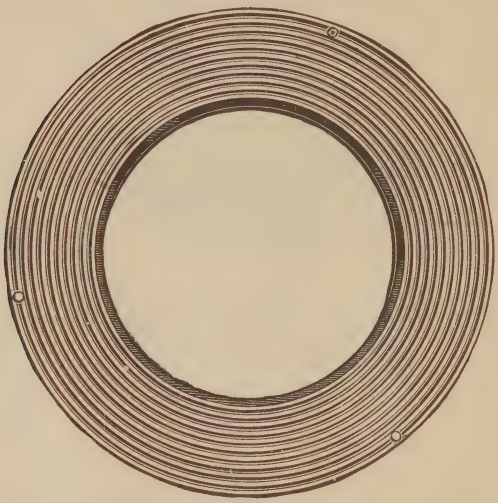
For 16-inch Round Vault Light	2 25
For 18 " " " "	3 00
For 20 " " " "	3 50
For 24 " " " "	5 00

DEEP THIMBLES.

For Brick Arches, Cistern Tops, etc. Made to order any depth.

Price according to size and depth.

WIDE RINGS.



We make the above rings from two inches to eight inches wide. For use where walk has worn away and cover is too small for opening.

PRICE DEPENDS ON SIZE.

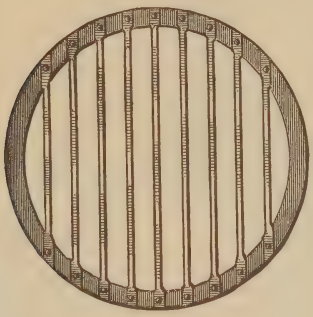
FASTENING BAR.



For Round Vault Lights and Coal Hole Covers . . . 50c

(Brass screw and nut.)

WROUGHT IRON VENTILATING GRATES FOR SIDEWALKS.



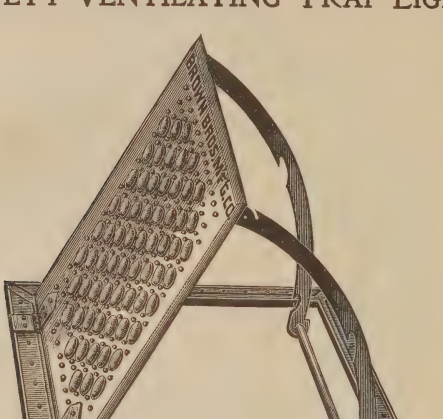
CUT OF 20-INCH GRATE.

Bars are $\frac{3}{8}$x1$\frac{1}{2}$ inches, set edgewise, which makes a very strong grate. They are for use where ventilation is desired, in place of our Coal Hole Cover or Round Vault Light, being made same sizes as Covers.

PRICE LIST.

16-inch round	$5 00
18-inch round	5 25
20-inch round	5 50
24-inch round	6 00

SAFETY VENTILATING TRAP LIGHTS



PRICE LIST.

1 ft. 10 inches square, (16-inch square *opening*,) 35 glasses $12 00

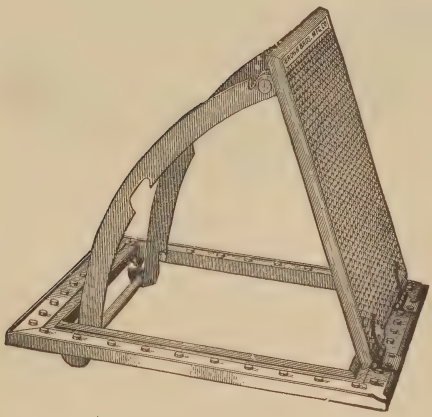
2 ft. 2 inches square, (20-inch square *opening*) 63 glasses 16 00

2 ft. 6 inches square, (24-inch square *opening*,) 20 00

These "Safety" Trap-Lights have square Frames, with square hinged Doors filled with Glasses, and square Openings, of sizes given above; the Doors are arranged with wrought iron quadrant-shaped Protecting Bars attached to and lifting up with the Doors on each side of the openings, thus guarding against danger or accident when the Doors are raised. The "quadrants" also support the Door when opened, and automatically *lock* it when shut. ☞These "Safety" Trap Lights are *water-tight* when closed

SAFETY VENTILATING TRAPS.

(SOLID.)

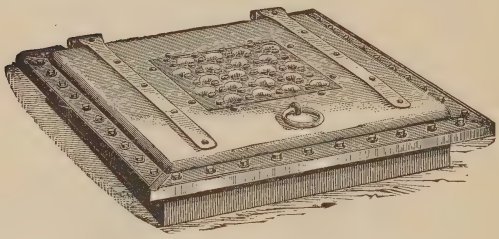


PRICE LIST.

1 ft.	10	Inches	square,	(16	inch	square	opening),	.	$ 9 00
2 ft.	2	"	"	20	"	"	"	.	12 00
2 ft.	6	"	"	24	"	"	"	.	15 00

Fitted up same as Traps on page 14.

ILLUMINATED STEEL COAL HOLE DOOR.



PRICE LIST.

22 inches square, 16-inch square opening (20 glasses), $16 00

26 " " 20 " " " 20 " 20 00

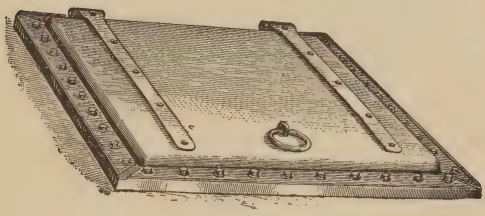
30 " " 24 " " " 20 " 24 00

36 " " 30 " " " 20 " 30 00

These doors are constructed of ¼-inch sheet steel, well braced; the frames of cast iron, extra heavy. No better or more durable doors are made. Water-tight when closed.

The above sizes are kept in stock.

PLAIN STEEL COAL HOLE DOOR.



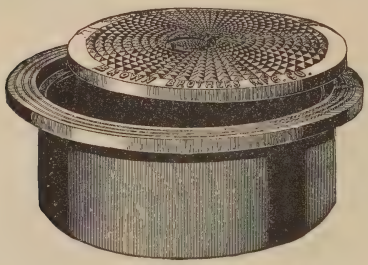
PRICE LIST.

22	inches	square,	16-inch	square	opening	.	$12 00
26	"	"	20 "	"	"	.	16 00
30	"	"	24 "	"	"	.	20 00
36	"	"	30 "	"	"	.	25 00

Construction similar to the doors on opposite page, except that the frame has no drop flange.

The above sizes are kept in stock.

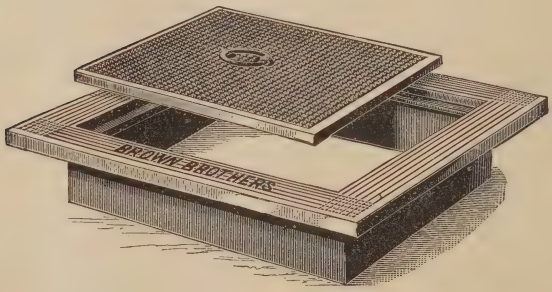
ROUND ALLEY COVERS.



PRICE LIST.

16 inch cover,	$10 00
18 " "	11 00
20 " "	12 00

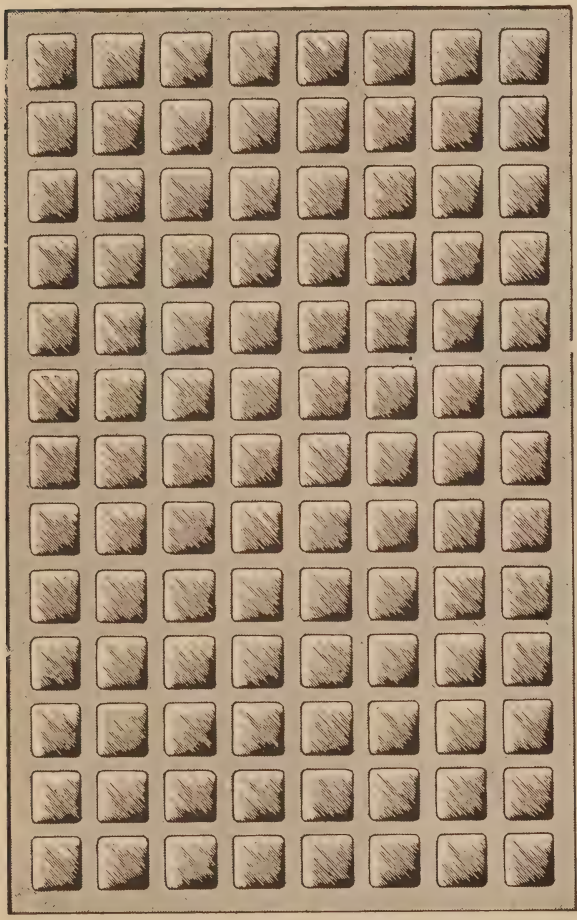
SQUARE ALLEY COVERS.



PRICE LIST.

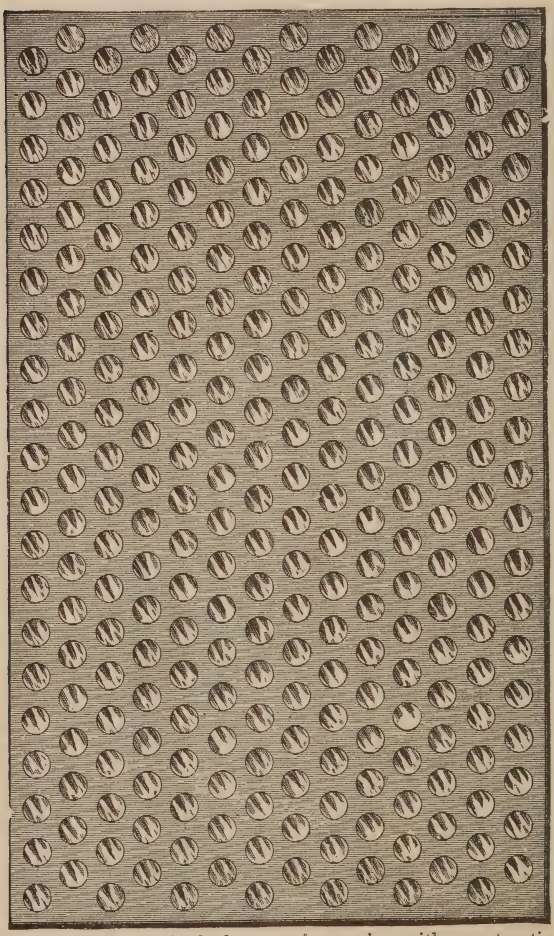
28 inches square, 20 inch square opening,	$17 50
32 " " 24 " " "	20 00
36 " 28 " " "	24 00

CONCRETE LIGHT TILE.



Size of Lens, 3½x3½. For sidewalk use. Gives more light than any other style of work. Send for estimates.

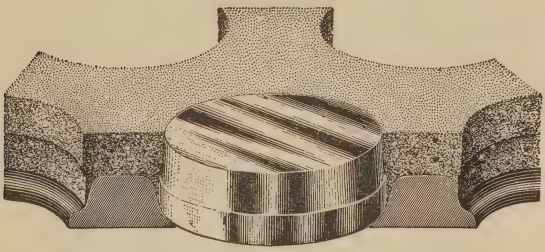
CONCRETE LIGHT TILE.



Made in any desired shape; price varies with construction. Send for Estimates.

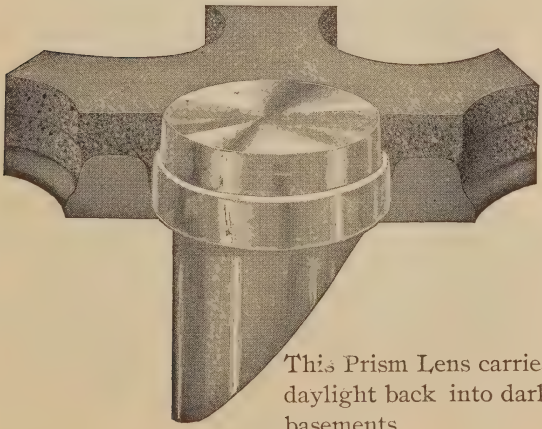
STANDARD CONCRETE LENS.

(Half Size).



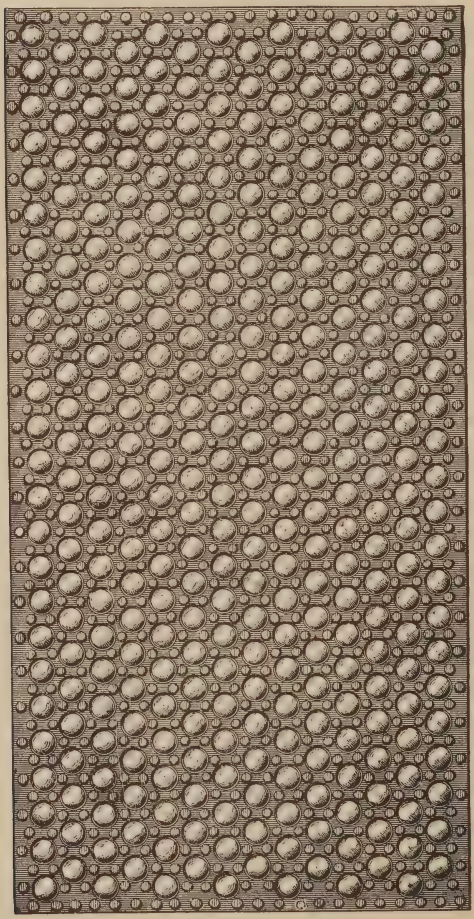
CONCRETE REFRACTING LENS.

(Half Size).



This Prism Lens carries daylight back into dark basements.

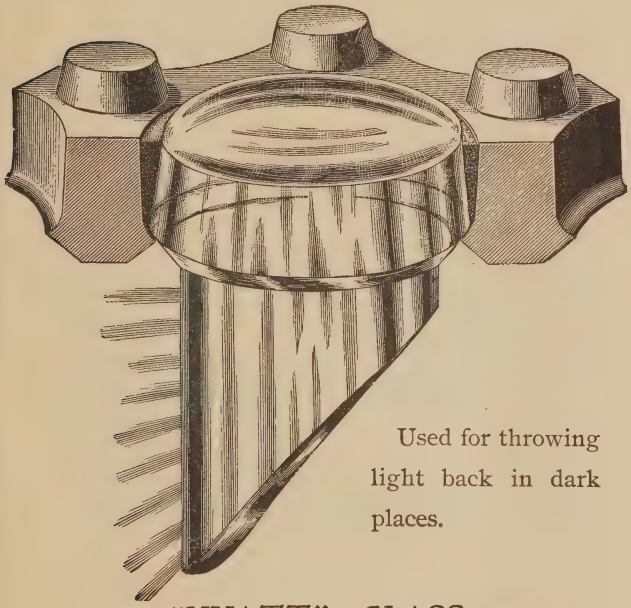
"HYATT" LIGHT TILE.



Made in any desired shape; price varies with construction. Send for Estimates.

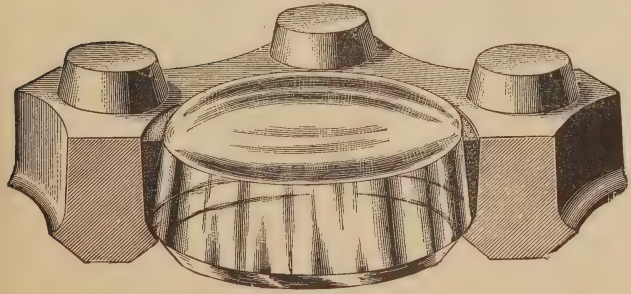
"HYATT" REFRACTING LENS.

(FULL SIZE.)



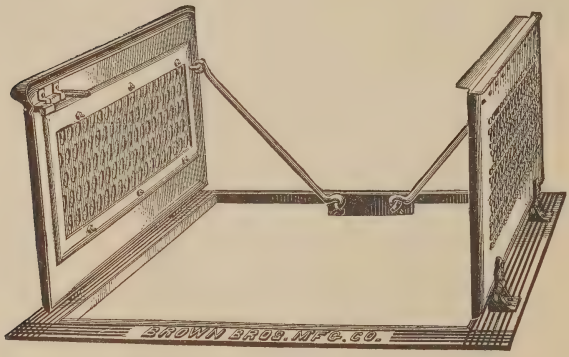
Used for throwing light back in dark places.

"HYATT" GLASS. (FULL SIZE)



Standard Sidewalk Light.

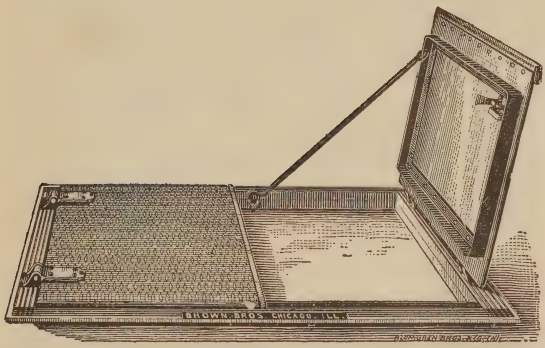
PRISMATIC LIGHT TRAP DOORS.



These doors can be placed in any sidewalk light platform over slides, basement stairs or sidewalk elevators. They are fitted with wrought iron hooks, bolts and bronze hinges, and are made to stand hard usage. Are water-tight when closed.

Made to order, any size.

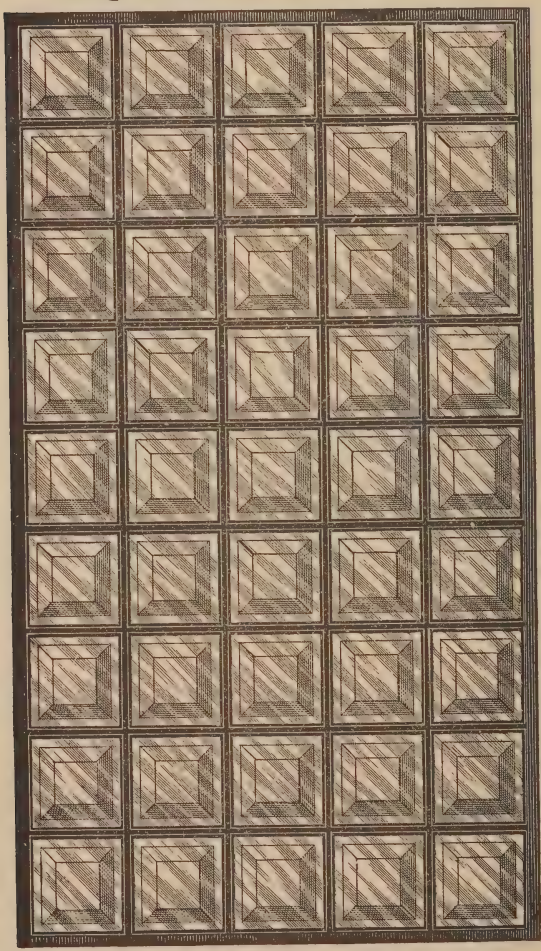
WROUGHT STEEL TRAP DOORS.



The construction of these doors is such that they will withstand the roughest usage. They are made of ¼-inch sheet steel, braced with angle iron, and are hinged either with heavy bronze or forged strap hinges. They are fitted with wrought iron hooks and bolts, and are water-tight when closed.

Made to order any size.

SQUARE FLOOR LIGHT.



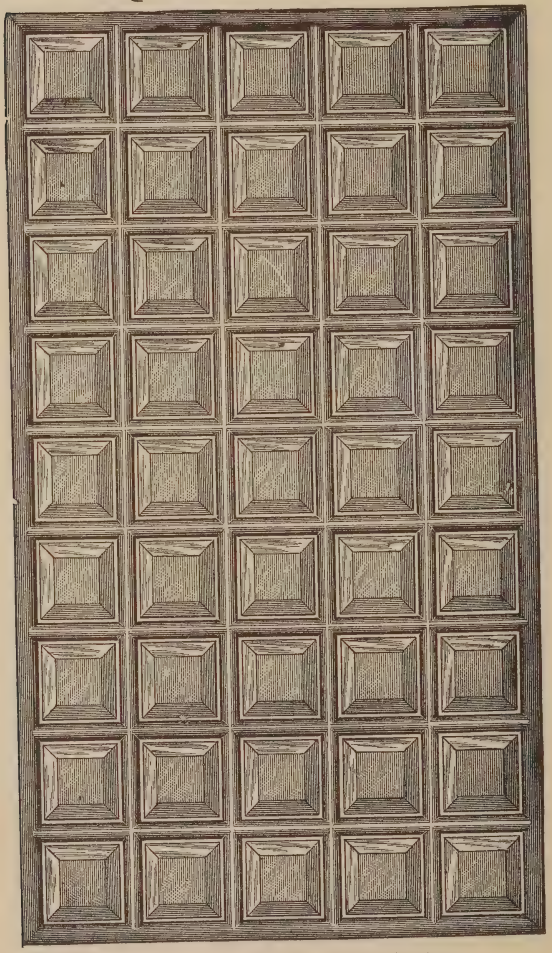
Prices according to construction. Send for Estimates.

HEXAGON FLOOR LIGHT.



Prices according to construction. Send for Estimates.

SQUARE SKY LIGHT.



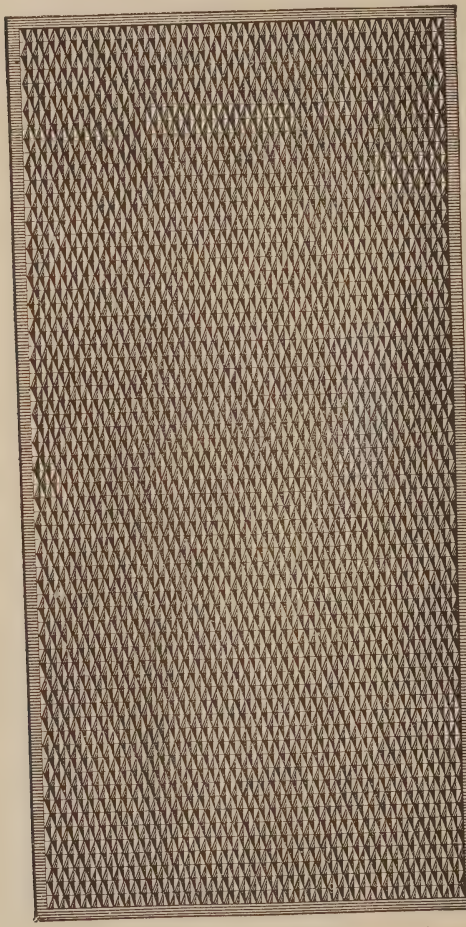
Price according to construction. Send for Estimates.

HEXAGON SKY LIGHT.



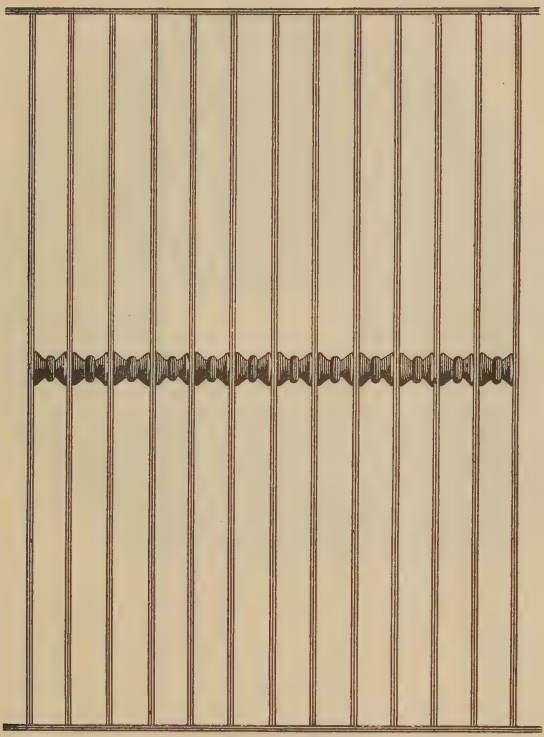
Price according to construction. Send for Estimates.

SOLID IRON DIAMOND PLATE.



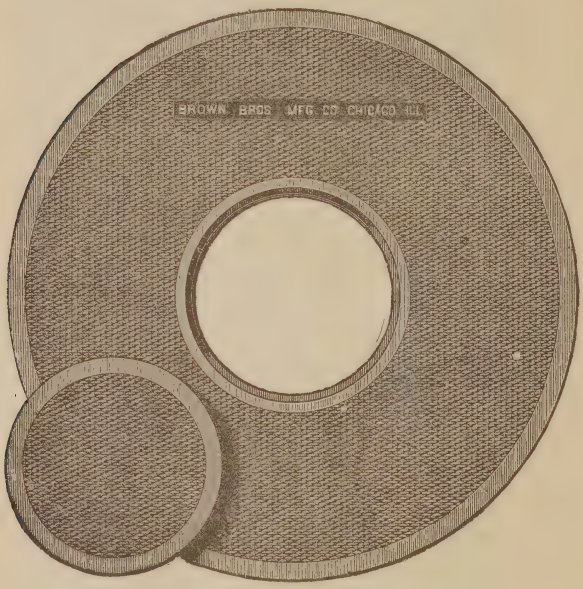
For Door Sills, Platforms and Steps. Can be made any size or shape. Send for estimates.

WROUGHT IRON GRATING.



We can furnish at short notice any size or quantity of Wrought Iron Grating for Sidewalks or Areas. In ordering give size of Iron wanted and distance between centers.

CATCH BASIN TOP AND COVER.



The above is for use in place of the so-called "Stone Cover," and is much handsomer and easier handled, one man being able to set it.

PRICE LIST.

2 feet, 6 in. in diameter, complete	$5 00
3 " 0 " " " "	6 25
3 " 6 " " " "	7 50

Name of Contractor put on without extra charge, in orders of one dozen or more.

CATCH BASIN COVERS.



PRICE LIST.

12-inch	$ 60
14-inch	75
16-inch	90
18 inch	1 20
20-inch	1 50

PRICE LIST.

WITH LIFTING RING IN CENTER.

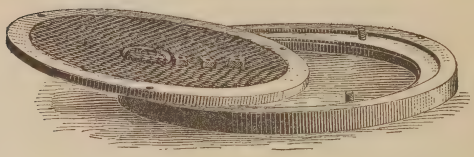
12-inch	$1 00
14-inch	1 15
16-inch	1 30
18-inch	1 60
20-inch	1 90

Rings for above see page 10.

Thimbles for above see page 11.

Name put on without extra charge, in orders of one dozen or more.

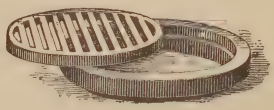
WATER-TIGHT CATCH BASIN. COVER AND FRAME.



This cover is designed to prevent water from backing up through catch basin openings. A rubber gasket sets in the inner flange of the frame, and the cover is held to the frame by strong bolts.

22½ inches in diameter outside of frame $9 00

SEWER GRATE AND FRAME.



10½ inches in diameter outside of frame $1 00

SEWER VENTS



No. 1.



No. 2.



No. 3.

PRICE LIST.

No. 1.	Per dozen	$18 00
No. 2.	Per dozen	12 00
No. 3.	Per dozen	9 00

(With name on if desired.)

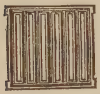
SQUARE CATCH BASIN COVERS

Made to order, any size

STREET MANHOLE COVERS

To Order.

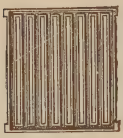
VENTILATING GRATES.



5½ x 6—20 cts. each.



4 in. round—10 cts. each.



7¾ x 8⅛—30 cts. each.



5 in. round—15 cts. each.



8 x 9¾—35 cts. each.



7 in. round—25 cts. each.



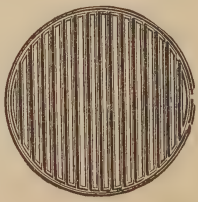
9⅛ x 10¾—40 cts. each.



10 in. round—40 cts each.

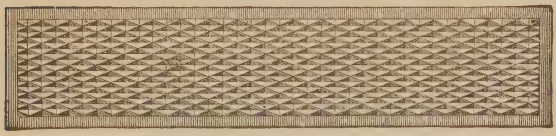


10 x 12—50 cts. each.



12 in. round—55 cts. each.

CAST IRON STAIR PLATES.



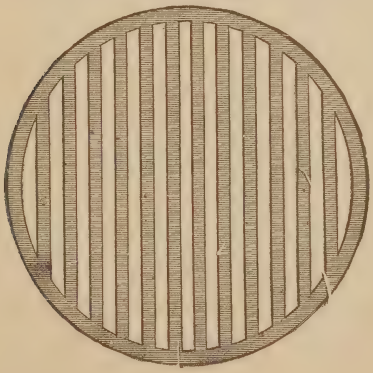
Drilled to screw down on wooden stairs.

These Plates are for placing on Wooden Stairs, where the wear is very great. Can be made in any desired shape.

PRICE LIST.

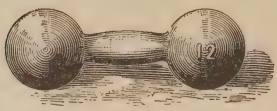
19½×3½	$ 40
19½×4	50
24½×8½	1 30
35×9	2 50

SALAMANDER GRATES.



16 inches in diameter $ 85

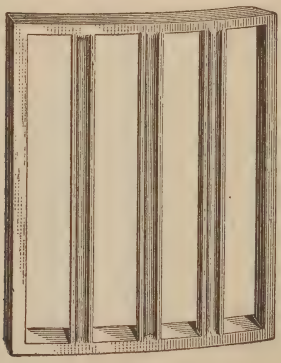
DUMB BELLS.



All weights, from 1 lb. to 100 lbs., inclusive.

Price per lb., ... 4 cts.

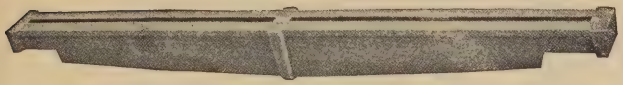
CURVED CATCH BASIN GRATE.



Size, 10 x 12.

Price, ... 80 cts.

COMMON GRATE BARS.



Length of Grate Bars.	Width.	Depth at Ends.	Draft Opening.
5 ft. 6 in.	3¼ in.	2 in.	½ in.
5 " 0 "	3¼ "	2 "	½ "
4 " 6 "	3¼ "	2 "	½ "
4 " 0 "	3¾ "	2 "	½ "
3 " 6 "	2¾ "	2 "	½ "
3 " 1 "	2¾ "	2 "	½ "
3 " 0 "	2¾ "	2 "	½ "
2 " 6 "	2¾ "	2 "	½ "

Single Grate Bars are of same length as above. We carry several other patterns of bars in stock. Special patterns can be furnished at short notice.

FIRE LINERS, ANGLE BARS, CENTRE BEARING BARS

And all kinds of furnace castings may be had promptly.

PAVERS' TAMPERS.



This Tamper is made with a hollow iron socket for wood handle, steel neck and cast iron head (7 inches square) and weighs 26 pounds.

Price, ... $3 25

STEP GRATE.

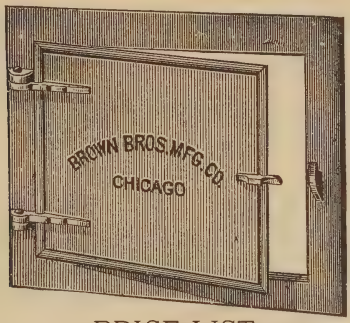
(HALF SIZE.)



This grate is used for wooden steps to allow the water to run off.

Per dozen, . . $.60

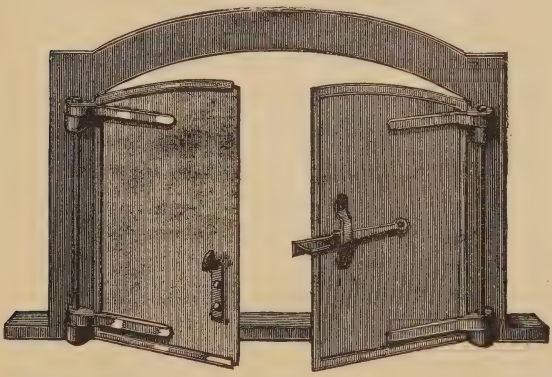
ASH PIT DOORS.



PRICE LIST.

8x10 inch opening	$1 50
9x12-inch opening	2 00
10x14-inch opening	2 50
14x18-inch opening	6 00

HEAVY ASH PIT DOORS.

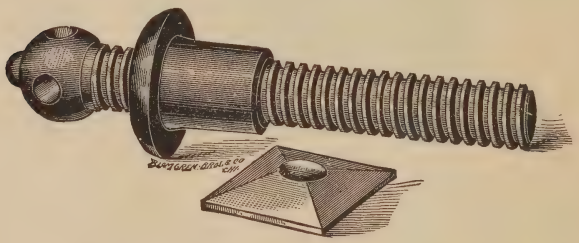


These doors are for large Ash Pits, and are thoroughly well made.

16x24-inch opening	10 00

SEAMLESS JACK SCREWS.

These Jack Screws are 24 inches long and 3 inches in diameter, with a rise of ⅝ of an inch to one turn of the bar. They are made of high-grade iron of great strength, and as they are cast from our celebrated seamless pattern, they wear much longer and are more easily handled than any other Jack Screw on the market.



NOTE.—Ours is the **only Cast Iron Seamless Jack Screw made in the United States.** Other screws are made from a pattern of two halves, and when cast have an uneven seam their entire length, which prevents their working smoothly. Our pattern is a solid screw, giving castings that have **no seam.** House-movers will see the importance of this point.

Price, with Caps. $2 25

Caps, separate 35

These prices are NET F. O. B. Chicago.

TEST.

A hydraulic test recently made by one of the principal House-raisers of this city showed the breaking strength of our **Seamless Screw** to be 54 tons, against 24 tons, the highest of any other screw.

TURNING BAR.



1 inch Round Steel, 3 ft. 6 in. long . . . $0 75

HOUSE-MOVERS' CHAIN.

We keep in stock all sizes of Chain, and can fill orders at short notice.

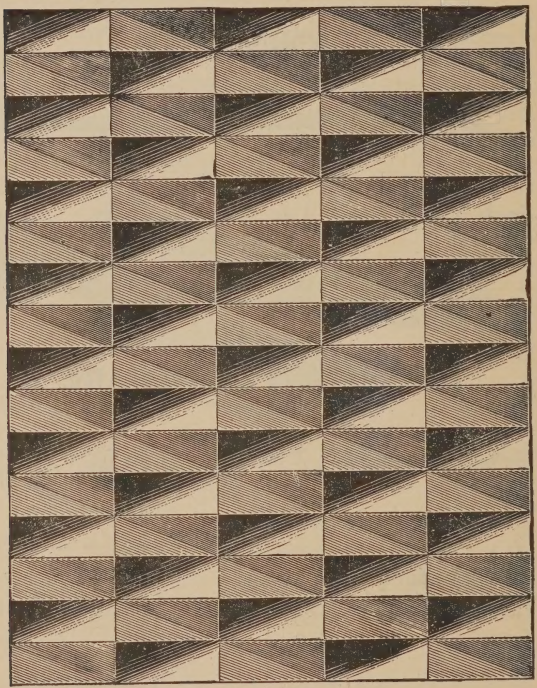
Write for prices.

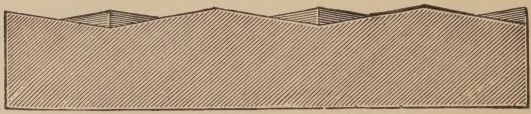
HOUSE-MOVERS' ROLLERS.

We can also furnish Hard Maple Rollers in all sizes and lengths.

Write for prices.

DIAMOND PATTERN LUMBER.





THE ABOVE CUTS SHOW EXACT SIZE OF DIAMONDS.

This Stuff is made by a Special Machine invented by us, (the only machine of its kind), and each piece will match *perfectly* with all other pieces, by "jointing" the edges to the center, lengthwise, of any row of Diamonds.

SIZE of each piece, eight feet long by six inches wide, and one-half inch thick. PRICE, 15 cents per *running* foot of six inches in width, NET CASH, crated and delived f. o. b. Chicago, in orders of not less than six pieces. *Send for sample.*

WE ARE PATENTEES AND
MANUFACTURERS OF

The

GADEY
Air Grate

A SYSTEM OF HOLLOW
BLAST GRADES FOR
STEAM BOILERS

SEND FOR CATALOGUE

ORNAMENTAL IRON

for

STORE FRONTS

SEND FOR CATALOGUE

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